

Case 3133

***Peristernia* Mörch, 1852 (Mollusca, Gastropoda): proposed conservation of *Turbinella nassatula* Lamarck, 1822 as the type species**

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Abstract. The purpose of this application is to conserve the usage of *Peristernia* Mörch, 1852 as the name of a genus in the marine gastropod family FASCIOLARIIDAE, with type species *Turbinella nassatula* Lamarck, 1822 by the designation of Melvill (1891). An earlier designation, of *Turbinella crenulata* Reeve, 1847 (currently *Clivipollia wagneri* (Anton, 1838)) by Cossmann (1889), would render *Peristernia* a senior subjective synonym of *Clivipollia* Iredale, 1929 in the BUCCINIDAE, but *Peristernia* has not been used in this sense.

Keywords. Nomenclature; taxonomy; Gastropoda; FASCIOLARIIDAE; *Peristernia*; *Peristernia nassatula*.

1. Mörch (1852, p. 99) established the genus *Peristernia* for several nominal species of marine gastropods, among them 'crenulata Reeve' (i.e. *Turbinella crenulata* of Reeve, 1847 (species 24, pl. 4, fig. 24) and 'nassatula Lamarck' (*Turbinella nassatula* Lamarck, 1822, p. 110).

2. Of the six originally included species only *P. nassatula* (Lamarck) is currently classified in *Peristernia* and indeed in the family FASCIOLARIIDAE (type genus *Fasciolaria* Lamarck, 1799). The species called *Turbinella crenulata* by Reeve is now placed in *Clivipollia* Iredale, 1929 (p. 347) in the BUCCINIDAE (see Ponder, 1972, p. 264); three other of Mörch's nominal species are also now placed in the BUCCINIDAE and one is in the MURICIDAE.

3. Adams & Adams (1853–1854) listed 21 species in *Peristernia* but retained only three (including *P. crenulata* and *P. nassatula*) of Mörch's original ones; they (p. 153, [1853]) gave *P. nassatula* as the 'Example' of *Peristernia*, but this does not constitute a type species designation. Cossmann (1889, p. 166) designated *Turbinella crenulata* of Reeve, 1847 (which, as explained by Tapparone-Canefri (1879, pp. 321–322) is not the same species as *T. crenulata* Kiener, 1841, p. 45) as the type species but this has not been followed for more than a century (see para. 4 below). *Turbinella crenulata* in Reeve's sense was synonymised with *T. wagneri* Anton, 1838 (p. 71) by Tapparone-Canefri (1879, p. 322) and is a buccinid species now known as *Clivipollia wagneri*. Fischer (1880–1887, p. 617, [1884]) cited '*Latirus wagneri* (Anton)' as the type species of *Peristernia*, but since he did not mention its synonymy with *T. crenulata* Reeve this is not a valid type species fixation (Article 69.2.2 of the Code).

4. Melvill (1891, p. 378) designated *Turbinella nassatula* Lamarck as the type species of *Peristernia*, but this is an invalid designation since it had been preceded,

unknown to Melvill, by Cossmann's selection in 1889 of *T. crenulata* Reeve. Cossmann himself later (1901, p. 47) cited *T. nassatula* as the type species, without mentioning his previous selection of *T. crenulata* Reeve. *Peristernia nassatula* (Lamarck) has been repeatedly cited as the type species (relatively recent examples are Wenz, 1943, p. 1245; Cernohorsky, 1980, p. 115; Wilson, 1994, p. 73; Goto & Poppe, 1996, p. 394).

5. If Cossmann's designation in 1889 of *T. crenulata* Reeve, 1847 (i.e. *Clivipollia wagneri* (Anton, 1838)) as the type species were to be followed, *Peristernia* Mörch, 1852 would become a senior subjective synonym of *Clivipollia* Iredale, 1929, and would become the name of a genus in the BUCCINIDAE; the next available name to replace *Peristernia* in the FASCIOLARIIDAE seems to be *Ascolatirus* Bellardi, 1884 (p. 41), which is based on the Miocene fossil taxon *Latirus* (*Ascolatirus*) *borsoni* Bellardi, 1884 (*T. nassatula* is an extant tropical Indo-Pacific species). These changes in nomenclature would make correlation with all the existing literature very difficult and would be extremely confusing.

6. The International Commission on Zoological Nomenclature is accordingly asked:

- (1) to use its plenary power to set aside all fixations of type species for the nominal genus *Peristernia* Mörch, 1852 before the designation of *Turbinella nassatula* Lamarck, 1822 by Melvill (1891);
- (2) to place on the Official List of Generic Names in Zoology the name *Peristernia* Mörch, 1852 (gender: feminine), type species by subsequent designation by Melvill (1891) *Turbinella nassatula* Lamarck, 1822, as ruled in (1) above;
- (3) to place on the Official List of Specific Names in Zoology the name *nassatula* Lamarck, 1822, as published in the binomen *Turbinella nassatula* (specific name of the type species of *Peristernia* Mörch, 1852).

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Comments on this case are invited for publication (subject to editing) in the *Bulletin*; they should be sent to the Executive Secretary, I.C.Z.N., c/o The Natural History Museum, Cromwell Road. London SW7 5BD, U.K. (e-mail: iczn@nhm.ac.uk).